

Patent Abstracts of Japan

PUBLICATION NUMBER : 2001332384
PUBLICATION DATE : 30-11-01

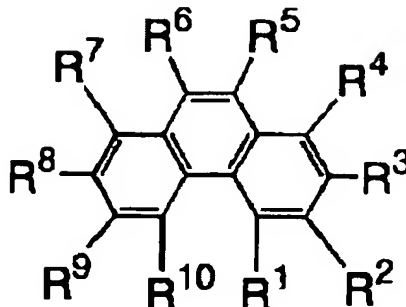
APPLICATION DATE : 19-05-00
APPLICATION NUMBER : 2000148010

APPLICANT : TORAY IND INC;

INVENTOR : MAKIYAMA AKIRA;

INT.CL. : H05B 33/14 C09K 11/06 H05B 33/22

TITLE : LIGHT EMITTING ELEMENT



ABSTRACT : PROBLEM TO BE SOLVED: To provide a light emitting element which has high luminous efficiency; high luminance, and which is superior in chromatic purity.

SOLUTION: This is an element in which a luminescent substance exists between a positive electrode and a negative electrode, and which emits light by the electric energy, and the element contains a compound expressed in a formula (1). Here, R1 to R10 are selected respectively from hydrogen, alkyl group, cycloalkyl group, aralkyl group, alkenyl group, cycloalkenyl group, alkynyl group, hydroxyl group, mercapto group, alkoxy group, alkylthio group, aryl ether group, arylthio ether group, aryl group, heterocyclic group, halogen, haloalkane, haloalkene, haloalkyne, cyano group, aldehyde group, carbonyl group, carboxyl group, ester group, carbamoyl group, amino group, nitro group, silyl group, and siloxanyl group. Further, at least one of R1 to R10 is a substituted or unsubstituted aryl group, substituted or unsubstituted heterocyclic group, or electrophilic group.

COPYRIGHT: (C)2001, JPO